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Partial English Translation of JP-B2 54-21464

Part A (Page 1)

[Claim 1]

A pattern knitting apparatus in a purl weft knitting machine, the purl weft knitting machine comprising: a plurality of rails 10, 11, 12, and 13 laterally bridged; projections 18a and 18a opposed to each other on upper right and left portions on the rails; and a concave portion between the projections 18a and 18a, the weft knitting machine in which a sliding bar 17 having a yarn leading board 15 attached to an lower portion thereof is loosely inserted into a longitudinal groove 20', and a sliding member 18 being pulled up by a spring 20 so that an upper end of the sliding member 18 protrudes above said rail is fitted so as to be movable, and a restraint cam 25 is disposed on right and left sides of the sliding member, for regulating a range of crosswise movement for exchanging adjacent yarn leading boards with each other, and the restraint cam 25 is made to be associated with a driving mechanism of carriages 6 and 6', and at positions where the carriages arrive at substantial apogees of path for the carriages, the carriages are intermittently moved

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in either right or left direction, the carriage comprising: a hanging pawl for hanging and thus moving the sliding member 18, the hanging pawl being detached by being pushed up by a hypotenuse portion of said restraint cam; and stitch cams 23 and 23' for pushing down the sliding bar 17, the weft knitting machine which knits one sheet of fabric with patterns by use of knitting yarns different from each other led to the yarn leading board 15 by the crosswise movement, wherein said sliding member 18 has protrusions 18a and 18a opposed to each other on upper right and left portions, and a horizontally long concave portion between the projections 18a and 18a, and the carriage is provided with protrudably-constituted stitch cams 23 and 23' associated with a command mechanism, and hanging pawls d, e, f, g, d', e', f', and g'.